

PATENT/DOCKET NO. 16326ID  
CUSTOMER NO. \_\_\_\_\_

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Serial No.: n/a

Filed: Herewith

Title: Bulk CAS Bit Change Detection

Attorney Docket No. \_\_\_\_\_

Group Art Unit: n/a

Examiner: n/a

Commissioner for Patents  
Washington, D.C. 20231

POWER OF ATTORNEY FOR  
PATENT APPLICATION

Nortel Networks Limited, a Canadian corporation having principal offices at:

**Nortel Networks Limited**  
2351 Boulevard Alfred-Nobel  
St. Laurent, Quebec H4S 2A9, Canada

the owner by assignment of the entire right, title and interest to the invention for Bulk CAS Bit Change Detection by Anthony Downing and John Ansell and in and to the application for patent and any Letters Patent, whether domestic or foreign, that may issue thereon, by virtue of the assignment (check as applicable):

- ☒ Recorded Concurrently Herewith  
☐ Recorded on \_\_\_\_\_  
☐ Recorded at Reel \_\_\_\_\_ Frame \_\_\_\_\_  
☐ Copy Attached

hereby appoints the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Thomas E. Smith (Reg. No. 18,243), Dennis M. McWilliams (Reg. No. 25,195), James R. Sweeney (Reg. No. 18,721), William M. Lee, Jr. (Reg. No. 26,935), Glenn W. Ohlson, (Reg. No. 28,455), David C. Brezina (Reg. No. 34,128), Jeffrey R. Gray (Reg. No. 33,391), Timothy J. Engling (Reg. No. 39,970), Gerald S. Geren (Reg. No. 24,528), Peter J. Shakula (Reg. No. 40,808), Robert F.I. Conte (Reg. No. 20,354), Howard B. Rockman (Reg. No. 22,190), Mark J. Nahmsen (Reg. No. 51,093), Mark A. Hagedorn (Reg. No. 44,731);

August 15, 2002

its attorneys with full power of substitution and revocation, to prosecute all domestic and foreign patent applications, including PCT and EPO filings, relating to said invention and to transact all business connected therewith, including signing of all papers on its behalf and making alterations and amendments.

The undersigned is the representative for the Assignee of the entire right, title, and interest in the patent application identified above, and is authorized to act on behalf of the Assignee.

18 November 2003  
Date

NORTEL NETWORKS LIMITED

[Signature]  
Name

Director of Intellectual Property  
Title Law (Europe)

August 15, 2002

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**Declaration  
Submitted  
With Initial  
Filing

OR

Declaration  
Submitted after Initial  
Filing (surcharge  
(37 CFR 1.16 (e))  
required)

Attorney Docket Number

First Named Inventor

Anthony Downing

COMPLETE IF KNOWN

Application Number

Filing Date

Art Unit

Examiner Name

I hereby declare that:

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

BULK CAS BIT CHANGE DETECTION

(Title of the Invention)

the specification of which



is attached hereto

OR



was filed on (MM/DD/YYYY)

as United States Application Number or PCT International

Application Number

and was amended on (MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 366(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application N ( )	Country	Foreign Filing Date ( /DD/YYYY)	Priority N	Certified Copy Attached? Yes No	
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

## DECLARATION — Utility or Design Patent Application

Direct all correspondence to: ☒ Customer Number: 23644 OR ☐ Correspondence address below

Name Barnes & Thornburg

Address P.O. Box 2786, Chicago, Illinois, 60690-2786

City Chicago State Illinois ZIP 60690-2786

Country United States of America Telephone (312) 357-1313 Fax (312) 759-5646

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR: ☐ A petition has been filed for this unsigned inventor

Given Name (first and middle (if any)) Anthony Family Name or Surname DOWNING

Inventor's Signature *A. Downing* Date 23/10/03

Residence: City Saffron Walden State Essex Country UK Citizenship UK

Mailing Address 4 Railey Road

City Saffron Walden State Essex ZIP CB11 3EN Country UK

NAME OF SECOND INVENTOR: ☐ A petition has been filed for this unsigned inventor

Given Name (first and middle (if any)) John Family Name or Surname ANSELL

Inventor's Signature *John Ansell* Date 27 Oct. 2003

Residence: City Hemel Hempstead State Hertfordshire Country UK Citizenship UK

Mailing Address 19 Leggfield Terrace

City Hemel Hempstead State Hertfordshire ZIP HP1 2LL Country UK

☐ Additional inventors or a legal representative are being named on the supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.